

# **Pesticide Use Notice**

## **Cascade County Weed & Mosquito Division**

Additional information and pesticide labels can be found on the pesticide manufacturers' websites, or by contacting the Weed and Mosquito Division.

Cascade County Public Works

Weed & Mosquito Division

279 Vaughn S Frontage Rd

Great Falls, MT 59404

Phone #: (406)-454-6920

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# Chemicals Utilized by Cascade County

## Weed and Mosquito Division

### Herbicides:

<u>Platoon</u>	active ingredient: 2, 4-D	manufacturer: NUFARM Americas Inc.
<u>Tordon 22k</u>	active ingredient: picloram	manufacturer: Dow AgroSciences
<u>Escort XP</u>	active ingredient: metsulfuron methyl	manufacturer: Bayer
<u>Perspective</u>	active ingredients: aminocyclopyrachlor & chlorsulfuron	manufacturer: Bayer
<u>Milestone</u>	active ingredient: aminopyralid	manufacturer: Dow AgroSciences
<u>Makaze</u>	active ingredient: glyphosate	manufacturer: Loveland Products

### Insecticides:

<u>Vectobac G</u>	active ingredient: <i>Bacillus thuringiensis</i> , sub spp. <i>Israelensis</i> (a.k.a. BTI) Manufacturer: Valent BioSciences	
<u>Vectobac GS</u>	active ingredient: BTI	manufacturer: Valent BioSciences
<u>Vectobac 12AS</u>	active ingredient: BTI	manufacturer: Valent BioSciences
<u>Vectomax FG</u>	active ingredients: BTI & <i>Bacillus sphaericus</i> Manufacturer: Valent BioSciences	
<u>Altosid Pellets</u>	active ingredient: methoprene	manufacturer: Wellmark International
<u>Altosid liquid</u>	active ingredient: methoprene	manufacturer: Wellmark International
<u>BVA 2 Larvicide Oil</u>	active ingredient: mineral oil	manufacturer: BVA Oils
<u>Kontrol 4-4</u>	active ingredients: permethrin & piperonyl butoxide Manufacturer: Univar Environmental Sciences	
<u>Zenevex E4</u>	active ingredient: etofenprox	manufacturer: Wellmark International
<u>Fourstar CRG BTI</u>	active ingredient: BTI	manufacturer: Fourstar Microbial Products LLC
<u>Spheratax 50G</u>	active ingredient: <i>Bacillus sphaericus</i> Manufacturer: Advanced Microbiologics LLC	

## **Locations Pesticides are Applied**

### **Herbicides:**

A majority of the areas where Cascade County applies herbicides are on county and state right-of-ways (the area directly adjacent to public roadways). Chemicals used: Perspective, Milestone, Tordon, Platoon, Escort.

Other areas include properties owned by Cascade County; county parks, parking lots, fairgrounds, etc. Chemicals used: Platoon, Makaze.

Some city owned right-of-way is also sprayed. Chemicals used: Milestone, Tordon, Platoon, Escort.

Some spraying is done on private properties. Chemicals used varies, but includes all chemicals utilized.

### **Insecticides:**

All larvicides utilized are applied directly to bodies of water that contain mosquito larvae. These bodies of water are essentially scattered over the entire area of Cascade County, so applications may occur anywhere within the county.

Chemicals used for larviciding: Vectobac, Vectomax, Altosid, BVA, Fourstar, Spheratax.

Adulticides are applied in areas where mosquito population densities are a nuisance or a threat to public health. Applications generally occur in areas that are populated. Essentially, adulticide applications may occur anywhere within the county.

Chemicals used for adulticiding: Kontrol 4-4, and Zenivex E4.

## **Effects of Chemicals Utilized**

Platoon, Tordon, Escort, Perspective, and Milestone are selective herbicides. When applied at the correct rate, selective herbicides only affect broadleaf plants.

Makaze is a non-selective herbicide. Non selective herbicides affect all plants.

Vectobac products, Vectomax, Altosid, Fourstar, and Spheratax affect only mosquito species and other very closely related fly species while in the larval stage.

BVA affects insect species living in water that require air to breath.

Kontrol 4-4 and Zenivex E4 has the potential to affect many insect species if they make contact while an application is occurring.